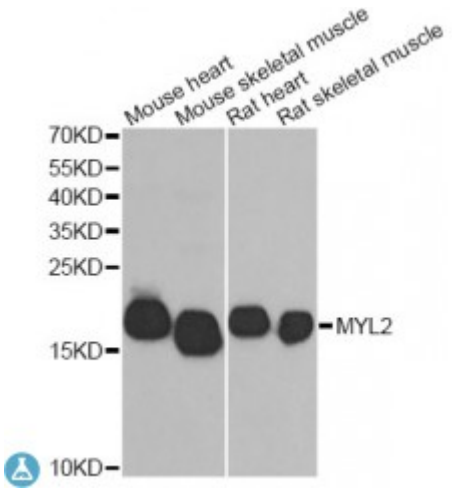
Anti-MYL2 Antibody



Description	Thus gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca+ triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy.

Model	STJ116121
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	Recombinant protein of human MYL2
Gene ID	4633
Gene Symbol	MYL2
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Myosin regulatory light chain 2 ventricular/cardiac muscle isoform MLC-2 MLC-2v Cardiac myosin light chain 2 Myosin light chain 2 slow skeletal/ventricular muscle isoform MLC-2s/v Ventricular myosin light ch
Molecular Weight	18.789 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:7583OMIM:160781Reactome:R-HSA-390522
Alternative Names	Myosin regulatory light chain 2 ventricular/cardiac muscle isoform MLC-2 MLC-2v Cardiac myosin light chain 2 Myosin light chain 2 slow skeletal/ventricular muscle isoform MLC-2s/v Ventricular myosin light ch
Function	Contractile protein that plays a role in heart development and function , Following phosphorylation, plays a role in cross-bridge cycling kinetics and cardiac muscle contraction by increasing myosin lever arm stiffness and promoting myosin head diffusion
Cellular Localization	Cytoplasm, myofibril, sarcomere, A band
Post-translational Modifications	N-terminus is methylated by METTL11A/NTM1,

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